UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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ART UNIT	PAPER NUMBER
2168	

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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/735,713	BRANDENBORG, THOMAS
	Examiner	Art Unit	
	Mahesh H. Dwivedi	2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _16 December 2003_.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-60_ is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-60_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _16 December 2003_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All b)☐ Some * c)☒ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _12/16/2003_.

4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Information Disclosure Statement

1.   The information disclosure statement filed 16/16/2003 fails to comply with 37

CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document;

each non-patent literature publication or that portion which caused it to be listed; and all

other information or that portion which caused it to be listed. It has been placed in the

application file, but the information referred to therein has not been considered.

Priority

2.   Acknowledgment is made of applicant's claim for foreign priority based on an

application filed in Denmark PA 1999 00827 on 06/11/1999. It is noted, however, that

applicant has not filed a certified copy of the Denmark PA 1999 00827 application as

required by 35 U.S.C. 119(b).

Claim Objections

3.   Claim 1 is objected to because of the following informalities: The applicant is

reminded that all words should be spelled with the United States standard. The

examiner notes that **"charcterised"** should be **"characterized"**. Appropriate

correction is required. Claims 2-60 are objected to for incorporating the deficiencies of

claim 1. Applicant is reminded that there are several similar objections throughout the

claims.

Claim 1 is objected to because of the following informalities: The term **"co-

ordinating"** should be changed to **"coordinating"**. Appropriate correction is required.

Claims 2-60 are objected to for incorporating the deficiencies of claim 1. Applicant is

reminded that there are several similar objections throughout the claims.

Claims 43, 44, 45, 47, and 57 are objected to because of the following

informalities: The applicant is reminded that all claims are required to end with a period.

Appropriate correction is required.

Claims 43, 44, 45, 47, and 57 are objected to because of the following

informalities: The applicant is reminded that claims with bullet points/dashes are in

improper form. Applicant is advised to insert symbolic letters to replace the bullet

points/dashes. Appropriate correction is required.

Claim 52 is objected to because of the following informalities: The phrase "A

content management system according to claim **50** ," should be "A content

management system according to claim **50**," Appropriate correction is required.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under

section 122(b), by another filed in the United States before the invention by the

applicant for patent or (2) a patent granted on an application for patent by

another filed in the United States before the invention by the applicant for patent,

except that an international application filed under the treaty defined in section

351(a) shall have the effects for purposes of this subsection of an application

filed in the United States only if the international application designated the

United States and was published under Article 21(2) of such treaty in the English

language.

5.   Claims 1-2, 4-11, and 13-60 are rejected under 35 U.S.C. 102(e) as being

anticipated by **Chiu et al.** (U.S. Patent 6,181,336).

6.   Regarding claim 1, **Chiu** teaches a content management system comprising:

A) data storing means (Column 26, lines 33-43, Figure 7), data retrieving means

(Column 26, lines 19-32, Figure 7) and data processing means (Column 26, lines 44-52,

Figure 7);

B) a database system adapted to store publishing content objects (PCOs) and

metadata, the metadata being associated with PCOs in the content management

system (Column 26, lines 44-65-Column 27, lines 1-4, Figure 7), ;

C) a number of workstations (Column 5, lines 27-30, Column 16, lines 9-16),

characterised in that the PCOs are arranged to be media neutral so as to enable re-use

of the PCOs in publications of multiple media (Column 1, lines 57-66); and

D) that the content management system further facilitates planning and coordinating of

usage of PCOs in one or more publications (Column 1, lines 57-66).

The examiner notes that "repository 702" (Figure 7) and "repository 704" (Figure

7) are analogous to **"data storing means"**. The examiner further notes that "query

714" (Figure 7) are analogous to **"data retrieving means"**. The examiner further notes

that "query 714" (Column 26, line 21, Figure 7) is analogous to **"data retrieving**

means". The examiner further notes that "query 714" (Figure 7) are analogous to

"data retrieving means". The examiner further notes that "content servers 708"

(Figure 7) and "content servers 712" (Figure 7) are analogous to **"data processing**

means". The examiner further notes that "The metadata servers 706 and 710 provide

services (such as searching, indexing, querying, etc.), that are typically associated with

services provided by database management systems" (Column 26, lines 53-56) is

analogous to **"a database system adapted to store publishing content objects**

(PCOs) and metadata, the metadata being associated with PCOs in the content

management system". The examiner further notes that "functions provided are

accessible form client stations over a computer network" (Column 5, lines 27-30) and

having "shared development" (Column 16, lines 9-16) for "multiple users" (Column 16,

lines 9-16) is analogous to providing **"a number of workstations"**. The examiner

further notes that "the orderly archiving of multimedia works to facilitate their re-use in

later projects" (Column 1, lines 60-61) and "Examples of multimedia works include

feature animations films, computer animation films, video games, interactive movies,

news clips, educational multimedia products, corporate multimedia productions,

multimedia sales catalogs and the like" are analogous to **"characterised in that the**

PCOs are arranged to be media neutral so as to enable re-use of the PCOs in

publications of multiple media". The examiner further notes that according to The

American Heritage College Dictionary, a publication is defined as "Communication of

information to the public". The examiner notes that news clips are information that is

delivered and provided to the public. The examiner further notes that "various types of

multimedia works" (Column 1, lines 59-60) is analogous to **"that the content**

management system further facilitates planning and coordinating of usage of

PCOs in one or more publications".

Regarding claim 2, **Chiu** further teaches a content management system

comprising:

A) wherein the PCOs are arranged to be media neutral by comprising content elements

divided by their function (Column 12, lines 57-65-Column 13, lines 1-7).

The examiner notes that "asset attributes" (Column 13, lines 1) is analogous to

media **"function"**.

Regarding claim 4, **Chiu** further teaches a content management system

comprising:

A) wherein the PCOs are arranged to be media neutral by comprising content elements

divided by their function (Column 16, lines 25-32).

Regarding claim 5, **Chiu** further teaches a content management system

comprising:

A) wherein the planning and coordinating of usage of PCOs comprises tentative or

dynamic planning and coordinating of usage of the PCOs and/or fixed planning and

coordinating of usage of the PCOs (Column 12, lines 57-67-Column 13, lines 1-7,

Column 16, lines 25-32).

The examiner notes that "The present invention provides a means for users to

link related assets with the vault repository 108" (Column 16, lines 26-27) is analogous

to "**wherein the planning and coordinating of usage of PCOs comprises tentative**

or dynamic planning and coordinating of usage of the PCOs and/or fixed planning

and coordinating of usage of the PCOs".

Regarding claim 6, **Chiu** further teaches a content management system

comprising:

A) wherein the planning and coordinating of usage of PCOs comprises approximate

and/or specific placement of PCOs, said placement referring to physical or visual

location of PCOs in one or more publications being planned (Column 13, lines 8-24).

Regarding claim 7, **Chiu** further teaches a content management system

comprising:

A) wherein the planning and coordinating of usage of PCOs comprises planning and

coordinating of PCOs that are only planned for creation or still under creation or already

existing PCOs (Column 5, lines 49-51)

Regarding claim 8, **Chiu** further teaches a content management system

comprising:

A) wherein the PCOs comprise content of types used in news media selected from the group consisting of: daily or weekly newspapers, magazines, TV and radio stations, Internet sites and other electronic news media (Column 1, lines 57-67-Column 2, lines 1-4).

The examiner notes that using "news clips" (Column 1, line 64) is analogous to **"wherein the PCOs comprise content of types used in news media selected from the group consisting of: daily or weekly newspapers, magazines, TV and radio stations, Internet sites and other electronic news media"**.

Regarding claim 9, **Chiu** further teaches a content management system comprising:

A) wherein the planning and coordinating of usage of PCOs is performed by associating PCOs and information relating to PCOs with one or more layout budgets or lists, each layout budget or list having at least one publication associated with it, and each layout budget or list representing the planned content of the associated publication(s) or a part or section thereof (Column 3, lines 43-46).

Regarding claim 10, **Chiu** further teaches a content management system comprising:

A) wherein layout budgets or lists have at least one publication date and/or time associated with them, the publication date and/or time indicating the publication date

and/or time of a publication associated with the layout budget or list (Column 12, lines 58-67).

The examiner notes that using "For example, the file size, modification date and time, creator, may all be filled in automatically" (Column 12, lines 62-63) is analogous to **"wherein layout budgets or lists have at least one publication date and/or time associated with them, the publication date and/or time indicating the publication date and/or time of a publication associated with the layout budget or list"**.

Regarding claim 11, **Chiu** further teaches a content management system comprising:

A) wherein PCOs are added to or removed from layout budgets or lists or wherein information relating to PCOs is changed on layout budgets or lists, thereby facilitating dynamic planning of content intended for use in publications (Column 24, lines 60-67).

The examiner notes that using "The Vault API 106 provides support for the creation, placement, and deletion"" (Column 12, lines 62-63) is analogous to **"wherein PCOs are added to or removed from layout budgets or lists or wherein information relating to PCOs is changed on layout budgets or lists, thereby facilitating dynamic planning of content intended for use in publications"**.

Regarding claim 13, **Chiu** further teaches a content management system comprising:

A) means for filtering or sorting of PCOs based on their metadata, thereby facilitating

presentation of an output according to said filtering or sorting (Column 26, lines 53-63).

The examiner notes that "The metadata servers 706 and 710 provide services

(such as searching, indexing, querying, etc.)" (Column 26, lines 53-54) is analogous to

"means for filtering or sorting of PCOs based on their metadata, thereby

facilitating presentation of an output according to said filtering or sorting".

Regarding claim 14, **Chiu** further teaches a content management system

comprising:

A) means for arranging the ranks or priorities of PCOs in a hierarchical structure

(Column 13, lines 8-24).

Regarding claim 15, **Chiu** further teaches a content management system

comprising:

A) means for arranging the ranks or priorities of PCOs in a hierarchical structure

(Column 13, lines 8-24).

The examiner notes that having an "asset tree" (Column 13, line 14) is analogous

to **"means for arranging the ranks or priorities of PCOs in a hierarchical**

structure". The examiner further notes that it is common knowledge that in a tree-like

storage system, priority and rank are designated in the arrangement of the subsequent

nodes and leaves.

Regarding claim 16, **Chiu** further teaches a content management system
comprising:

A) means for associating a size with each PCO, the size indicating physical or visual
space or time duration of the PCO when appearing in a publication (Column 19, lines
22-29, Column 20, lines 2-7).

The examiner notes that "dateCheckedOut" (Column 19, line 26), "dateCheckeIn"
(Column 19, line 26) and "Date the asset was checked out" (Column 20, lines 2-7) are
analogous to **"means for associating a size with each PCO, the size indicating
physical or visual space or time duration of the PCO when appearing in a
publication"**.

Regarding claim 17, **Chiu** further teaches a content management system
comprising:

A) means for associating a size with each PCO, the size indicating actual measured
size or a planned size of the PCO when appearing in a publication (Column 19, lines
22-29, Column 20, lines 8-10).

The examiner notes that "content size" (Column 19, line 6) and "The size of the
object's contents" (Column 20, lines 8-10) are analogous to **"means for associating a
size with each PCO, the size indicating actual measured size or a planned size of
the PCO when appearing in a publication"**.

Regarding claim 18, **Chiu** further teaches a content management system comprising:

A) wherein a layout budget or list has a predefined maximum total size indicating the space or time available within a publication or a part or a section thereof being associated with the layout budget or list (Column 9, lines 44-46, Column 20, lines 8-11).

The examiner notes that "Some of the attribute values, such as time, date, and object size is typically filled-in automatically under program control" (Column 9, lines 44-46) is analogous to **"wherein a layout budget or list has a predefined maximum total size indicating the space or time available within a publication or a part or a section thereof being associated with the layout budget or list"**.

Regarding claim 19, **Chiu** further teaches a content management system comprising:

A) wherein at least one workstation provides access to the database system and all PCOs managed in the database system, irrespective of the storage location of any particular PCO (Column 5, lines 27-30, lines 66-67, Column 13, lines 32-48).

The examiner notes that "functions provided are accessible form client stations over a computer network" (Column 5, lines 27-30) is analogous to **"wherein at least one workstation provides access to the database system and all PCOs managed in the database system, irrespective of the storage location of any particular PCO"**.

Regarding claim 20, **Chiu** further teaches a content management system

comprising:

A) wherein the database system comprises a plurality of databases (Column 26, lines

44-52, Figure 7).

The examiner notes that Figure 7 depicts multiple databases.

Regarding claim 21, **Chiu** further teaches a content management system

comprising:

A) wherein the plurality of databases is physically or geographically disparate (Column

26, lines 44-52, Figure 7).

The examiner notes that the databases depicted in Figure 7 are disparate.

Regarding claim 22, **Chiu** further teaches a content management system

comprising:

A) wherein each database of the plurality of databases is adapted to store PCOs and

associated metadata for a particular enterprise or a branch of an enterprise (Column 19,

lines 22-64).

The examiner notes that storing "representation type" (Column 19, line 61) is

analogous to **"wherein each database of the plurality of databases is adapted to**

store PCOs and associated metadata for a particular enterprise or a branch of an

enterprise".

Regarding claim 23, **Chiu** further teaches a content management system

comprising:

A) wherein each database of the plurality of databases comprises a searchable index

of the metadata and/or content associated with the PCOs stored in that database

(Column 26, lines 44-63).

The examiner notes that "The metadata servers 706 and 710 provide services

(such as searching, indexing, querying, etc.)" (Column 26, lines 53-54) is analogous to

"wherein each database of the plurality of databases comprises a searchable

index of the metadata and/or content associated with the PCOs stored in that

database".

Regarding claim 24, **Chiu** further teaches a content management system

comprising:

A) wherein the searchable indices are synchronised into a consolidated index, thereby

facilitating a consolidated access to or view of the PCOs stored in the plurality of

databases (Column 26, lines 53-63).

The examiner notes that "The metadata servers 706 and 710 provide services

(such as searching, indexing, querying, etc.)" (Column 26, lines 53-54) is analogous to

"wherein the searchable indices are synchronised into a consolidated index,

thereby facilitating a consolidated access to or view of the PCOs stored in the

plurality of databases".

Regarding claim 25, **Chiu** further teaches a content management system

comprising:

A) wherein a central searchable index of metadata and/or content associated with the

PCOs stored in the plurality of databases is provided, thereby facilitating a consolidated

access to or view of the PCOs stored in the plurality of databases (Column 26, lines 53-

63).

The examiner notes that "The metadata servers 706 and 710 provide services

(such as searching, indexing, querying, etc.)" (Column 26, lines 53-54) is analogous to

"wherein a central searchable index of metadata and/or content associated with

the PCOs stored in the plurality of databases is provided, thereby facilitating a

consolidated access to or view of the PCOs stored in the plurality of databases".

Regarding claim 26, **Chiu** further teaches a content management system

comprising:

A) wherein a consolidated access to or view of PCOs is provided, irrespective of their

storage location or database (Column 5, lines 65-67, Column 16, lines 40-47, Column

20, lines 45-47, Column 24, lines 1-7).

The examiner notes that "Access control in the Vault repository 108 is based on

access control lists (ACLs). An ACL identifies the users that are permitted access to the

objects" (Column 24, lines 1-3) is analogous to **"wherein a consolidated access to or**

view of PCOs is provided, irrespective of their storage location or database".

Regarding claim 27, **Chiu** further teaches a content management system

comprising:

A) means to support users from at least one workstation to perform the management

task of tracking the status of one or more PCOs (Column 1, lines 66-67-Column 2, lines

1-4, Column 3, lines 46-52).

The examiner notes that "The present invention assist artists, computer

programmers, production managers, editors, directors, ad producers in tracking an

managing" (Column 1, lines 66-67-Column 2, line 1) is analogous to **"means to**

support users from at least one workstation to perform the management task of

tracking the status of one or more PCOs".

Regarding claim 28, **Chiu** further teaches a content management system

comprising:

A) means to support users to perform, from at least one workstation, the management

task of associating metadata with one of a plurality of desk budgets, the desk budgets

providing a list of PCOs that are planned or under creation within a given desk or

department (Figure 2).

Regarding claim 29, **Chiu** further teaches a content management system

comprising:

A) means for supporting users from at least one workstation to perform the

management task of organising PCOs into groupings (Column 4, lines 54-56, Column

13, lines 8-24).

The examiner notes that "asset tree" (Column 13, line 14) is analogous to

"means for supporting users from at least one workstation to perform the

management task of organising PCOs into groupings".

Regarding claim 30, **Chiu** further teaches a content management system

comprising:

A) wherein the means for organising PCOs into groupings comprises means for

defining projects or projects and sub-projects in the content management system

(Column 13, lines 8-24); and

B) means for including one or more PCOs in one or more projects or sub-projects,

thereby facilitating an overview of PCOs involved in larger news events (Column 26,

lines 53-63).

Regarding claim 31, **Chiu** further teaches a content management system

comprising:

A) means for arranging the projects and sub-projects in a hierarchical structure

(Column 4, lines 54-56, Column 13, lines 8-24).

The examiner notes that "Another feature of this invention is that it provides

hierarchical storage of assets" (Column 4, lines 55-56) and "asset tree" (Column 13, line

14) are analogous to **"means for arranging the projects and sub-projects in a hierarchical structure"**.

Regarding claim 32, **Chiu** further teaches a content management system comprising:

A) means for filtering PCOs by project or sub-project, thereby facilitating a presentation of PCOs related to the project or sub-project (Column 26, lines 53-63).

The examiner notes that "The metadata servers 706 and 710 provide services (such as searching, indexing, querying, etc.)" (Column 26, lines 53-54) is analogous to **"means for filtering PCOs by project or sub-project, thereby facilitating a presentation of PCOs related to the project or sub-project"**.

Regarding claim 33, **Chiu** further teaches a content management system comprising:

A) wherein metadata are associated with projects or sub-projects, thereby providing information relating to the project or sub-project (Column 19, lines 22-51).

The examiner notes that "Preferably AMS data objects have a set of mandatory attributes (metadata). These attrbitues are: object-id, versionName, versionNumber, type" (Column 19, lines 22-25) is analogous to **"wherein metadata are associated with projects or sub-projects, thereby providing information relating to the project or sub-project"**.

Regarding claim 34, **Chiu** further teaches a content management system
comprising:

A) wherein at least part of the metadata associated with a given project or sub-project
is applied to the PCOs included in that project or sub-project (Column 13, lines 8-24).

The examiner notes that it is common knowledge that having an "asset tree"
(Column 13, line 14) is analogous to **"wherein at least part of the metadata
associated with a given project or sub-project is applied to the PCOs included in
that project or sub-project"**.

Regarding claim 35, **Chiu** further teaches a content management system
comprising:

A) wherein the means for organising PCOs into groupings comprises means for
associating a selected plurality of PCOs, irrespective of other groupings in which they
might be included, so as to form an association, thereby facilitating any subject, topical
or other desired relationship between PCOs (Column 12, lines 57-67-Column 13, lines
1-7, Column 16, lines 25-32).

The examiner notes that "The present invention provides a means for users to
link related assets with the vault repository 108" (Column 16, lines 26-27) is analogous
to **"wherein the means for organising PCOs into groupings comprises means for
associating a selected plurality of PCOs, irrespective of other groupings in which
they might be included, so as to form an association, thereby facilitating any
subject, topical or other desired relationship between PCOs"**.

Regarding claim 36, **Chiu** further teaches a content management system

comprising:

A) means for filtering PCOs by association, thereby facilitating a presentation of

associated PCOs (Column 26, lines 53-63).

The examiner notes that "The metadata servers 706 and 710 provide services

(such as searching, indexing, querying, etc.)" (Column 26, lines 53-54) is analogous to

"means for filtering PCOs by association, thereby facilitating a presentation of

associated PCOs".

Regarding claim 37, **Chiu** further teaches a content management system

comprising:

A) means for linking between a PCO and any of its associated PCOs, thereby

facilitating automatic or simplified maintenance of link relationships between associated

PCOs (Column 4, lines 57-60, Column 16, lines 25-32).

The examiner notes that "The present invention provides means for users to link

related assets within the Vault repository 108" (Column 16, lines 26-27) is analogous to

"means for linking between a PCO and any of its associated PCOs, thereby

facilitating automatic or simplified maintenance of link relationships between

associated PCOs".

Regarding claim 38, **Chiu** further teaches a content management system

comprising:

A) means for assembling associated PCOs into packages intended or suggested for

collective publication (Column 3, lines 43-46).

The examiner notes that "In addition, complex assets can be defines which

comprise a combination of assets" (Column 3, lines 43-44) is analogous to **"means for**

assembling associated PCOs into packages intended or suggested for collective

publication".

Regarding claim 39, **Chiu** further teaches a content management system

comprising:

A) means for describing the category or nature of a given PCO's relationship with its

associated PCOs (Column 4, lines 57-60, Column 16, lines 25-32).

The examiner notes that "The present invention provides means for users to link

related assets within the Vault repository 108" (Column 16, lines 26-27) is analogous to

"means for describing the category or nature of a given PCO's relationship with

its associated PCOs".

Regarding claim 40, **Chiu** further teaches a content management system

comprising:

A) wherein the database system comprises means for creating one or more

assignments, each assignment being an administrative entity for managing one or more

PCOs, the PCO(s) being planned for creation or still under creation or already existing

PCO(s) (Column 9, lines 34-41).

The examiner notes that "this will take place wither upon creating a new asset or

when new assets are checked into the Vault 108. In any case, all attribute values

should be assigned before an asset is checked into the Vault 108" (Column 9, lines 38-

41) is analogous to **"wherein the database system comprises means for creating**

one or more assignments, each assignment being an administrative entity for

managing one or more PCOs, the PCO(s) being planned for creation or still under

creation or already existing PCO(s)".

Regarding claim 41, **Chiu** further teaches a content management system

comprising:

A) means for associating metadata with assignments (Column 19, lines 22-51, Column

20, lines 39-47).

The examiner notes that "Preferably AMS data objects have a set of mandatory

attributes (metadata). These attributes are: object-id, versionName, versionNumber,

type" (Column 19, lines 22-25) is analogous to **"wherein at least part of the metadata**

associated with an assignment applies to one or more PCOs being managed

through that assignment as well as to the assignment itself".

Regarding claim 42, **Chiu** further teaches a content management system

comprising:

A) wherein at least part of the metadata associated with an assignment applies to one or more PCOs being managed through that assignment as well as to the assignment itself (Column 19, lines 22-51, Column 27, lines 1-4).

The examiner notes that "Preferably AMS data objects have a set of mandatory attributes (metadata). These attributes are: object-id, versionName, versionNumber, type" (Column 19, lines 22-25) and "Thus, all interactions with data objects of the present invention begin with interaction with one or more metadata servers" (Column 27, lines 1-4) are analogous to **"wherein at least part of the metadata associated with an assignment applies to one or more PCOs being managed through that assignment as well as to the assignment itself"**.

Regarding claim 43, **Chiu** further teaches a content management system comprising:

A) wherein the metadata comprises at least one of the following types of information relating to assignment management: an address and/or name of a geographical location of a news event one or more people expected to attend a news event a start time and/or end time and/or duration of a news event one or more contacts at a news event one or more appointments at a news event one or more items of research information or interviews or links to such items a deadline (Column 19, lines 22-51, Column 20, lines 39-47).

Regarding claim 44, **Chiu** further teaches a content management system

comprising:

A) wherein the metadata comprises at least one of the following types of information: a

slug or name, a description, an origination, a type, a status, a reference to at least one

publication, keywords, an abstract or summary, notes, a modification log, access control

information, an originating newsroom, an originating desk, an assignment editor, an

author, a deadline, intellectual property rights (Column 12, lines 57-67-Column 13, lines

1-7, Column 19, lines 22-51).

The examiner notes that "Preferably AMS data objects have a set of mandatory

attributes (metadata). These attributes are: object-id, versionName, versionNumber,

type" (Column 19, lines 22-25) is analogous to **"wherein the metadata comprises at**

least one of the following types of information: a slug or name, a description, an

origination, a type, a status, a reference to at least one publication, keywords, an

abstract or summary, notes, a modification log, access control information, an

originating newsroom, an originating desk, an assignment editor, an author, a

deadline, intellectual property rights".

Regarding claim 45, **Chiu** further teaches a content management system

comprising:

A) wherein the metadata comprises at least one of the following types of information

referring to a publication: a name, a publication date and/or time, a revision specific

edition, a geographical or topical edition, a logical or physical storage address in a

computer system, a specific physical or visual placement or location within the publication,, a deadline a layout budget or list associated with the publication, a size of the publication or within in the publication, a ranking or priority within the publication (Column 19, lines 22-51).

The examiner notes that "Preferably AMS data objects have a set of mandatory attributes (metadata). These attributes are: object-id, versionName, versionNumber, type" (Column 19, lines 22-25) is analogous to **"wherein the metadata comprises at least one of the following types of information referring to a publication: a name, a publication date and/or time, a revision specific edition, a geographical or topical edition, a logical or physical storage address in a computer system, a specific physical or visual placement or location within the publication,, a deadline a layout budget or list associated with the publication, a size of the publication or within in the publication, a ranking or priority within the publication"**.

Regarding claim 46, **Chiu** further teaches a content management system comprising:

A) means for ensuring that metadata contain only valid combinations of information (Column 17, lines 54-56).

The examiner notes that "Preferably, the contents of each asset are stored directly in the Vault repository 108 so that the present invention can control and guarantee the integrity of such assets" (Column 17, lines 54-56) is analogous to

"means for ensuring that metadata contain only valid combinations of information".

Regarding claim 47, **Chiu** further teaches a content management system comprising:

A) wherein the metadata comprises at least one of the following types of information relating to access control: permissions to view the existence of an item in the database system permission types and/or levels of access to an item in the database system rules specifying conditions for specific permissions to take effect on an item in the database system (Column 5, lines 65-67).

The examiner notes that "Another feature of the present invention is that it provides support for various levels of access control" (Column 5, lines 66-67) is analogous to **"wherein the metadata comprises at least one of the following types of information relating to access control: permissions to view the existence of an item in the database system permission types and/or levels of access to an item in the database system rules specifying conditions for specific permissions to take effect on an item in the database system".**

Regarding claim 48, **Chiu** further teaches a content management system comprising:

A) wherein at least part of the metadata are stored as database fields in the database system (Column 19, lines 22-51).

The examiner notes that "Preferably AMS data objects have a set of mandatory attributes (metadata). These attributes are: object-id, versionName, versionNumber, type" (Column 19, lines 22-25) is analogous to **"wherein at least part of the metadata are stored as database fields in the database system"**. The examiner further notes that "object-id" (Column 19, line 23) and "displayname" (Column 19, line 49) are analogous to **"fields"**.

Regarding claim 49, **Chiu** further teaches a content management system comprising:

A) wherein at least part of the metadata are stored as tags and/or attributes within the content associated with PCOs (Column 19, lines 22-51).

The examiner notes that "Preferably AMS data objects have a set of mandatory attributes (metadata). These attributes are: object-id, versionName, versionNumber, type" (Column 19, lines 22-25" is analogous to **"wherein at least part of the metadata are stored as tags and/or attributes within the content associated with PCOs"**. The examiner further notes that "object-id" (Column 19, line 23) and "displayname" (Column 19, line 49) are analogous to **"fields"**.

Regarding claim 50, **Chiu** further teaches a content management system comprising:

A) wherein the database system comprises means for enabling a system administrator or workstation user to define one or more additional metadata fields, thereby facilitating

customised information to be stored in the database system (Column 2, lines 52-56,

Column 11, lines 17-24, Column 13, lines 33-48).

The examiner notes that "wherein the database system comprises means for

enabling a system administrator or workstation user to define one or more additional

metadata fields, thereby facilitating customised information to be stored in the database

system" (Column 13, lines 33-36" is analogous to **"wherein a set of metadata fields is**

definable by a system administrator or workstation user".

Regarding claim 51, **Chiu** further teaches a content management system

comprising:

A) wherein a set of metadata fields is definable by a system administrator or

workstation user (Column 2, lines 52-56, Column 11, lines 17-24, Column 13, lines 33-

48).

The examiner notes that "The activities that fall under system administration can

include: configuring content servers; specifying the content servers where different

assets should be placed; setting asset controls" (Column 13, lines 33-36" is analogous

to **"wherein a set of metadata fields is definable by a system administrator or**

workstation user".

Regarding claim 52, **Chiu** further teaches a content management system

comprising:

A) wherein substantially all metadata fields are definable by a system administrator or workstation user (Column 2, lines 52-56, Column 11, lines 17-24, Column 13, lines 33-48).

The examiner notes that "The activities that fall under system administration can include: configuring content servers; specifying the content servers where different assets should be placed; setting asset controls" (Column 13, lines 33-36" is analogous to **"wherein substantially all metadata fields are definable by a system administrator or workstation user"**.

Regarding claim 53, **Chiu** further teaches a content management system comprising:

A) wherein a set of metadata fields is definable by the content type of a given PCO (Column 2, lines 52-56, Column 11, lines 17-24, Column 13, lines 33-48).

The examiner notes that "provided is a means for modifying and/or adding extensions to the plurality of utilities and services provided by the present invention" (Column 2, lines 52-54) and "Either tools can then modify the asset, if desired" (Column 11, lines 17-18" are analogous to **"wherein a set of metadata fields is definable by the content type of a given PCO"**.

Regarding claim 54, **Chiu** further teaches a content management system comprising:

A) wherein at least some PCOs or other database items stored in the database system are associated with specific icons, thereby allowing a workstation user to identify the type of item by a visual appearance of its icon (Column 20, lines 18-24).

The examiner notes that "This field contains the AMS data object identifier of the asset version's thumbnail" (Column 20, lines 18-19) is analogous to **"wherein at least some PCOs or other database items stored in the database system are associated with specific icons, thereby allowing a workstation user to identify the type of item by a visual appearance of its icon"**. The examiner further notes that it is common knowledge that a thumbnail is an icon displayed on a graphical user interface for a user to access.

Regarding claim 55, **Chiu** further teaches a content management system comprising:

A) wherein changes to metadata or changes to content associated with PCOs are logged during a news media production workflow (Column 26, lines 26-32).

The examiner notes that "The production management tools also provide functions for workflow management" (Column 26, lines 31-32) is analogous to **"wherein changes to metadata or changes to content associated with PCOs are logged during a news media production workflow"**. The examiner further notes that it is common knowledge that metadata is recorded and logged during the workflow management system of **Chiu**.

Regarding claim 56, **Chiu** further teaches a content management system

comprising:

A) wherein automation rules defined by system administrators or by workstation users

enable triggering of automatic actions based on changes to metadata values or

changes to content associated with PCOs (Column 5, lines 49-51).

The examiner notes that "Another advantage of the present invention is that it

provides support for automatic cataloging when assets are created" (Column 5, lines

49-51) is analogous to **"wherein automation rules defined by system**

administrators or by workstation users enable triggering of automatic actions

based on changes to metadata values or changes to content associated with

PCOs". The examiner further notes that an act of creating an asset is akin to changing

it.

Regarding claim 57, **Chiu** further teaches a content management system

comprising:

A) wherein at least one of the following tasks are triggered when the condition of an

automation rule is met: notifying or alerting users triggering workflow events triggering

user specified actions triggering automatic archival or purging triggering a routing of

PCOs or other database items (Column 5, lines 5-9, Column 10, lines 20-23)

The examiner notes that "a specialized checkout procedure may also be

provided to restore the contents of an asset into its original multiple files and/or

locations within the local work area" (Column 10, lines 20-23) is analogous to **"wherein**

at least one of the following tasks are triggered when the condition of an automation rule is met: notifying or alerting users triggering workflow events triggering user specified actions triggering automatic archival or purging triggering a routing of PCOs or other database items".

Regarding claim 58, **Chiu** further teaches a content management system comprising:

A) wherein production and/or publication of media output using the PCOs stored in the database system is facilitated by one or more production systems integrated with the database system (Chiu, Abstract).

The examiner notes that "a consistent and integrated multimedia production environment in the form of common utilities, methods, and services" (Abstract) is analogous to **"wherein production and/or publication of media output using the PCOs stored in the database system is facilitated by one or more production systems integrated with the database system"**.

Regarding claim 59, **Chiu** further teaches a content management system comprising:

A) wherein PCOs or at least some metadata associated with PCOs stored in the database system are accessible from a production system (Column 26, lines 53-67- Column 27, lines 1-4).

The examiner notes that "The metadata servers 706 and 7810 provide services (such as searching, indexing, querying, etc.)" (Column 26, lines 53-54) is analogous to **"wherein PCOs or at least some metadata associated with PCOs stored in the database system are accessible from a production system"**. The examiner further notes that it is common knowledge that one must access a device in order to utilize functions such as searching/indexing/querying.

Regarding claim 60, **Chiu** further teaches a content management system comprising:

A) wherein PCOs or at least some status or production data or other metadata from a production system are accessible from the content management system (Column 5, lines 65-67, Column 16, lines 40-47, Column 20, lines 45-47, Column 24, lines 1-7). The examiner notes that "Access control in the Vault repository 108 is based on access control lists (ACLs). An ACL identifies the users that are permitted access to the objects" (Column 24, lines 1-3) is analogous to **"wherein PCOs or at least some status or production data or other metadata from a production system are accessible from the content management system"**.

Claim Rejections - 35 USC § 103

7.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed

or described as set forth in section 102 of this title, if the differences between the

subject matter sought to be patented and the prior art are such that the subject

matter as a whole would have been obvious at the time the invention was made

to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negatived by the manner in which the invention was

made.

8.   Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Chiu et**

al. (U.S. Patent 6,181,336) as applied to claims 1-2, 4-11, and 13-60 and in view of

Nasr et al. (U.S. Patent 6,263,332).

9.   Regarding claim 1, **Chiu** does explicitly teach a content management system

comprising:

A) wherein the PCOs are arranged to be media neutral by storing or managing them

using an XML based structure.

Nasr, however, teaches **"wherein the PCOs are arranged to be media neutral**

by storing or managing them using an XML based structure" as "information

retrieval and in particular to a query and transformative engine applicable to eXtensible

Markup Language (**XML**) documentation" (Column 1, lines 6-9).

It would have been obvious to one of ordinary skill in the art at the time the

invention was made to combine the teachings of the cited references because teaching

Nasr's would have allowed **Chiu's** to provide a method have a standardized markup

language to store and present documents to requesting users, as noted by **Nasr**

(Column 8, lines 55-58).

10.   Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Chiu et**

al. (U.S. Patent 6,181,336) as applied to claims 1-2, 4-11, and 13-60 and in view of

Milstead et al. (U.S. Patent 6,345,256).

11.   Regarding claim 12, **Chiu** does explicitly teach a content management system

comprising:

A) wherein metadata are used for approving or suspending PCOs associated with

layout budgets or lists, thereby facilitating tentative or preliminary planning of individual

PCOs intended for use in publications.

       Milstead, however, teaches **"wherein metadata are used for approving or**

suspending PCOs associated with layout budgets or lists, thereby facilitating

tentative or preliminary planning of individual PCOs intended for use in

publications" as "Supervised Release Tool" (Column 65, line 23) and "approve its

contents" (Column 65, line 30), and "The supervised release process 806 allows a

quality check and validation of information specified for digital content product...After

reviewing all information and comments, the Supervisor has the following options:

approve release and queue the product for Metadata SC(s) Creation Process 807"

(Column 54, lines 30-40).

The examiner notes that "approve release and queue the product" (Column 54, lines 30-40) is analogous to **"wherein metadata are used for approving or suspending PCOs associated with layout budgets or lists, thereby facilitating tentative or preliminary planning of individual PCOs intended for use in publications"**.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references because teaching **Milstead's** would have allowed **Chiu's** to provide a method have supervised approval of completed work in publishing media, as noted by **Milstead** (Column 65, lines 23-44).

Conclusion

12.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 6,6,052,514 issued to **Gill et al.** on 18 April 2000. The subject matter disclosed therein is pertinent to that of claims 1-60 (e.g., methods to provide a distributed publishing access database system).

Article entitled "CCI Europe ALL in One Editorial System", dated October 1997, TechNews, Volume 3, Number 5). The subject matter disclosed therein is pertinent to that of claims 1-60 (e.g., methods to provide a distributed publishing access database system).

Article entitled "Morning News orders 600-seat CCI system", dated November 1998, by Mike Tartar. The subject matter disclosed therein is pertinent to that of claims 1-60 (e.g., methods to provide a distributed publishing access database system).

Article entitled "Morning News orders 600-seat CCI system", dated November 1998, by Mike Tartar. The subject matter disclosed therein is pertinent to that of claims 1-60 (e.g., methods to provide a distributed publishing access database system).

Contact Information

13.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mahesh Dwivedi whose telephone number is (571) 272-2731. The examiner can normally be reached on Monday to Friday 8:20 am – 4:40 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Vo can be reached (571) 272-3642. The fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mahesh Dwivedi

Patent Examiner

Art Unit 2168

May 26, 2006

Leslie Wong

Primary Examiner